

WHAT IS CLAIMED IS:

1. A door hinge mounting system comprising:

a first support member;

a second support member;

5 a first plate that is slidably disposed on the first support member;

a second plate that is slidably disposed on the second support member;

a connecting frame connecting the first and second plates together;

a first actuator for moving the connecting frame;

10 a first multi-sided rotating member that is rotatably coupled to the first plate,
the first multi-sided rotating member including at least two first mounting surfaces, each
of the first mounting surfaces being provided with a first door hinge mounting unit;

a second multi-sided rotating member that is rotatably coupled to the second
plate, the second multi-sided rotating member including at least two second mounting
surfaces, each of the second mounting surfaces being provided with a second door hinge
15 mounting unit;

a second actuator for rotating one of the first multi-sided rotating member and
the second multi-sided rotating member;

a synchronization bar connecting the first and second multi-sided rotating
members such that the first and second multi-sided rotating members rotate
20 simultaneously; and

a control unit controlling operations of the first actuator, the first multi-sided
rotating member, the second multi-sided rotating member, and the second actuator.

2. The door hinge mounting system of claim 1, wherein each of the first

door hinge mounting unit and the second door hinge mounting unit comprises:

a reference hole detection sensor detecting a position of a reference hole that is formed in a vehicle body;

a reference pin device configured to be coupled to the reference hole;

5 a door hinge mounting device configured to move in forward, rearward, left, and right directions, the door hinge mounting device fixing a door hinge; and
at least one fixing device for fixation to the vehicle body.

3. The door hinge mounting system of claim 2, wherein the reference pin device comprises:

10 a reference pin that can be inserted into the reference hole;

a first driving cylinder for moving the reference pin in forward and rearward directions; and

a second driving cylinder for moving the reference pin in left and right directions.

15 4. The door hinge mounting system of claim 3, wherein the first and second driving cylinders are controlled by the control unit.

5. The door hinge mounting system of claim 2, wherein the door hinge mounting device comprises a magnet for fixing the door hinge.

20 6. The door hinge mounting system of claim 5, wherein the door hinge mounting device further comprises a fixing pin that can be inserted into a through hole formed in the door hinge.

7. The door hinge mounting system of claim 6, wherein the door hinge

mounting device further comprises a driving cylinder for moving the magnet and the fixing pin.

8. The door hinge mounting system of claim 7, wherein the driving cylinder is controlled by the control unit.

5 9. The door hinge mounting system of claim 1, further comprising a stopper unit for restricting movement of the connecting frame.